

Appln No. 10/760233
Amdt. Dated: December 28, 2006
Response to Office Action of November 24, 2006

2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A printhead assembly, comprising:

at least two printhead modules each comprising at least two, separate printhead integrated circuits, each printhead integrated circuit having nozzles formed therein for delivering printing fluid onto the surface of print media, and a one-piece support member commonly supporting and carrying the printing fluid for the printhead integrated circuits of the respective printhead module; and

a casing in which the at least two printhead modules are arranged so as to be removably mounted in linearly aligned relationship through removable engagement of the support member of each printhead module with a support frame of the casing, the support members of the modules being configured to communicate said printing fluid with one another,

wherein the assembly has an aggregate length and a number of printhead modules predetermined to provide for selected pagewidth printing.

2. (Original) A printhead assembly according to claim 1, wherein each of the printhead modules has sixteen printhead integrated circuits.

3. (Original) A printhead assembly according to claim 1, wherein:

the at least two printhead modules are each formed as a unitary arrangement of the at least two printhead integrated circuits, the support member, at least one fluid distribution member mounting the at least two printhead integrated circuits to the support member, and an electrical connector for connecting electrical signals to the at least two printhead integrated circuits; and

the support member has at least one longitudinally extending channel for carrying the printing fluid for the printhead integrated circuits and includes a plurality of apertures extending through a wall of the support member arranged so as to direct the printing fluid from the at least one channel to associated nozzles in both, or if more than two, all of the printhead integrated circuits by way of respective ones of the fluid distribution members.

Appln No. 10/760233

Amdt. Dated: December 28, 2006

Response to Office Action of November 24, 2006

3

4. (Original) A printhead assembly according to claim 3, wherein each printhead module of the at least two printhead modules has end portions which permit interconnection of the linearly aligned printhead modules and provide for fluid connection of the channels thereof.

5. (Original) A printhead assembly according to claim 4, wherein the end portions of each of the printhead modules comprise complementary female and male end portions.

6. (Original) A printhead assembly according to claim 4, further comprising a sealing adhesive provided at the interface of the interconnected printhead modules.

7. (Original) A printhead assembly according to claim 6, wherein the sealing adhesive is an epoxy.